PATENT

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of Sirhan et al. ) Examiner: Uyen T. Ho
Sirhan et al. ) Group Art Unit: 3731

For: METHOD AND DEVICE FOR THE )

For: METHOD AND DEVICE FOR THE TREATMENT OF VULNERABLE TISSUE SITE

Serial No.: 10/621,126 Filed: July 16, 2003

Atty. Docket No.: R0378-00101

CERTIFICATE OF MAILING PURSUANT TO 37 C.F.R. §1.8

1 hereby certify that this correspondence is being transmitted by facsimile at (571) 273-6500 addressed to Mail Stop 16, Director of the Patent and

Tradomark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on May 16, 2007, in San Francisco, CA.

By:

## REQUEST FOR REFUND TO ATTORNEY DEPOSIT ACCOUNT

Mail Stop 16
Director of the Patent and Trademark Office P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The undersigned requests a refund to Deposit Acct. No. 04-1679 for charges applied by the U.S. Patent and Trademark Office (PTO) on behalf of the above-referenced divisional application. A copy of the May 2007 deposit account statement is enclosed herewith. Further enclosed herewith are the *Patent Application Fee Determination Record* sheets of July 16, 2003 and May 2, 2007 obtained from the PTO's Patent Application Information Retrieval System (PAIRS).

Applicants filed the above-referenced divisional application on July 16, 2003. A copy of their Request For Filing A Divisional Application Under 37 CFR 1.53(b) is enclosed herewith. The preliminary amendment which accompanied their Request amended the number of claims to a total of 94 with 6 independent claims. The Patent Office erroneously counted a total of 151 claims with 6 independent claims as seen in

the Patent Application Fee Determination Record of July 16, 2003. In the Request, Applicants calculated the total charge for filing this divisional application to be \$2334. The Patent Office charged a total of \$3640 for filing of this application on July 16, 2003. In further support, enclosed is the official Filing Receipt mailed October 17, 2003. The Filing Receipt indicates the proper total claims filed, as well as the overcharge of \$3640 by the Patent Office. The undersigned requests a refund of \$1306 for the overcharge. The data in the Patent Application Fee Determination Record wrongly indicates the number of claims and consequently charged Deposit Acct. No. 04-1679 accordingly.

The undersigned requests further refund to this same Deposit Acct. No. 04-1679 for the charge applied May 10, 2007 on behalf of the above-referenced divisional application. Applicants faxed file their Amendment And Response To Office Action Mailed 02/01/2007 on April 30, 2007 followed by their Supplemental Amendment And Response To Office Action Mailed 02/01/2007 faxed filed May 2, 2007. The Amendments reduced the total number of claims to be examined down to a total of 10 claims inclusive of 1 independent claim. As a result of the amendments filed, the remaining pending claims for examination then fell below the maximum claim numbers of 20 total and 3 independent for no additional fee required. Yet according to the Patent Application Fee Determination Record of May 2, 2007, the Undersigned's Deposit Acct. No. 04-1679 was charged \$4000 for what the PTO office totaled as 382 claims. In the Undersigned's act of retrieving the claims as filed May 2, 2007 from PAIRS, it is apparent that the PTO counted both the claims as filed April 30, 2007 and those of May 2, 2007 and totaled both sets of claims as one continuous set of pending claims. duplicating the number of claims. This resulted in the overcharge to Deposit Acct. No.

04-1679 of \$4000. A copy of the claims "as retrieved" from PAIRS on May 2, 2007 is enclosed herewith. The undersigned believes that there should have been no charge to the Deposit Acct. No. 04-1679 on May 10, 2007, when Applicants reduced their total number of claims down to 10 in the period of April 30, 2007 to May 2, 2007.

The undersigned respectfully requests a refund of \$1306 and \$4000 which were incorrectly charged to Deposit Acct. No. 04-1679 and to refund to said Deposit Acct. No. 04-1679, referencing Atty. Docket No. R0378-00101.

Applicants believe that there is no fee due for this request. Should the Commissioner find otherwise, the Commissioner is authorized to charge the required fees associated with this communication and to credit the refund of overpayment of fees set forth under 37 C.F.R. §2.6 or §2.7, to Deposit Acct. No. 04-1679, referencing Atty. Docket No. R0378-00101.

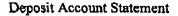
Respectfully submitted,

Edward J. Lynch

Registration No. 24,422 Attorney for Applicants

DUANE MORRIS LLP One Market Spear Tower, Ste. 2000 San Francisco, CA 94105 Telephone: (415) 957-3000 Facsimile: (415) 957-3001

Direct Dial: (415) 957-3067



X PTO Logo

## **Deposit Account Statement**

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Requested Statement Month: Deposit Account Number:

Name: Attention: Address:

City: State:

Zip: Country:

May 2007 041679

DUANĘ, MORRIS LLP. CHRIS LAMBRIODES 30 S. 17TH STREET PHILADELPHIA

PA 19103

UNITED STATES

DATE	SEQ	POSTING REF TXT	ATTORNEY DOCKET NBR	FEE CODE	AMT	BAL
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05/09 21	10010213	R0367-00201		1504	\$300.00	\$52,179.20
05/09 46	E-REPLENISHMENT		1	9203	-\$6,430.00	\$58,609.20
05/09 56	10794823	ADV08 1027	:	8021	\$40.00	\$58,569.20
05/09 14	14 11800673	E1972-00004		2011	\$150.00	\$58,419.20
05/09 14	17 11800673	E1972-00004	•	2201	\$200.00	\$58,219.20
05/09 14	16 11800873	E1972-00004		2311	\$100.00	\$58,119.20
05/09 14	15 11800673	E1972-00004	:	2111	\$250.00	\$57,869.20
05/09 14		E1972-00004		2202	\$50.00	\$57,819.20
05/09 38		E3059-00025		1617	\$130.00	\$57,689.20
05/09 38		E3059-00025	•	8021	\$40.00	\$57,649.20
	394 10281795	D0932-00200		1501	\$1,400.00	\$56,249.20
	395 10281795	D0932-00200		1504	\$300.00	\$55,949.20
05/10 18		D4695-00130	•	1251	\$120.00	\$55,829.20
05/10 1	10621126	9621.1001		1202	\$4,000.00	\$51,829.20
05/10 26	0 77176622	D9439-00076		7001	\$325.00	\$51,504.20
	74 77176629	D9439-00076		7001	\$325.00	\$51,179.20
	153 11470781	D1815-00274	,	1501	\$1,400.00	\$49,779.20
	154 11470781	D1815-00274	·	1504	\$300.00	\$49,479.20
	339 11746442	2006.1025/1085.490	٠	1011	\$300.00	\$49,179.20
	340 11746442	2006.1025/1085.490	,	1111	\$500.00	\$48,679.20
	341 11748442	2006.1025/1085.490		1311	\$200.00	\$48,479.20
	891 PCT/US07/68583	E0619-00023		1601	\$300.00	\$48,179.20
	692 PCT/US07/68583	E0619-00023	:	1603	\$300.00	\$47,879.20
	693 PCT/US07/68583	E0619-00023	•	1701	\$1,008.00	\$46,871.20
	894 PCT/US07/68583	E0619-00023		1703	\$312.00	\$46,559.20
	895 PCT/US07/68583	E0619-00023		8007	\$20.00	\$48,539.20
US/1U 22	262 10216278	HAR62 006	•-	1251	\$120.00	\$48,419.20

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	05/10	44	E-REPLENISHMENT		9203	-\$4,620.00	\$51,039.20
	05/10	8	10783826	E0523-00070	1501 ·	\$1,400.00	\$49,639.20
	05/10	9	10783826	E0523-00070	1504	\$300.00	\$49,339.20
	05/10	31	10894886	R0368-03000	1801	\$790.00	\$48,549.20
	05/10	13	11801073	D8726-00027	2011	\$150.00	\$48,399.20
	05/10	16	11801073	D8726-00027 .	2202	\$250.00	\$48,149.20
	05/10	15	11801073	D8726-00027	2311	\$100.00	\$48,049.20
	05/10	14	11801073	D8726-00027	2111	\$250.00	\$47,799.20
	05/10	3549	11675673	D5433-328	1051	\$130.00	\$47,669.20
	05/10	1777	2066974	E4444-00096	7205	\$100.00	\$47,569.20
	05/10	1778	2066974	E4444-00096	7201	\$400.00	\$47,169.20
	05/10	3817	11675681	D5433-329	1051	\$130.00	\$47,039.20
	05/10	3924	10929938	E4919-00021	2251	\$60.00	\$46,979.20
	05/10	719	11746442	N1085-00490	B021	\$40.00	\$46,939.20
	05/10	114	11789974	GE-07368	B021	\$40.00	\$46,899.20
	05/10	2238	77177561	D3398-00113	7001	\$325.00	\$46,574.20
	05/10	217	11419866	2004.0086CONT./1085.00430	1501	\$1,400.00	\$45,174.20
	05/10	218	11419866	2004.0086CONT./1085.00430	1504	\$300.00	\$44,874.20
	05/10	2291	2060312		7205	\$400.00	\$44,474.20
			2060312		7201	\$1,600.00	\$42,874.20
	05/10	4587	11715182	D8143-00416	1051	\$130.00	\$42,744.20
	05/11	5	78855943	:	7005	\$100.00	\$42,644.20
	05/11	65	10611771	GARAY-10-1	1251	\$120.00	\$42,524.20
	05/11		10610803	GARAY-11-2	1251	\$120.00	\$42,404.20
	05/11		10610803	GARAY-11-2	1806	\$180.00	\$42,224.20
	05/11		10818440	E3117-00002	1501	\$1,400.00	\$40,824.20
			10931538	D4781-00082	1501	\$1,400.00	\$39,424.20
			10931538	D4781-00082	1504	\$300.00	\$39,124.20
	05/11	1	11509705	CHE01 101	2251	\$60.00	\$39,064.20
	05/11	73	0647314	D9147-2326	8521	\$40.00	\$39,024.20
	05/11		77178103	- 8-	7001	<b>\$325.00</b>	\$38,699.20
	05/11		E-REPLENISHMENT		9203	-\$7,960.00	\$48,659.20
			78596878	D9147-06520	7003	\$100.00	\$48,559.20
			0647314	D9147-02326	7205	\$100.00	\$46,459.20
			0647314	D9147-02328	7201	\$400.00	\$46,059.20
	05/11		10487273		9204	-\$920.00	\$46,979.20
	05/11		10473954		9204	-\$900.00	\$47,879.20
	05/11		11711973	D8726-00026	8021	\$4D.00	\$47,839.20
			2403088	D2176-00016	7205	\$100.00	\$47,739.20
			2403088	D2176-00016	7206	\$100.00	\$47,639.20
			2403088		7208		\$47,439.20
			10772441	HARRIS MERGER	8021		\$46,479.20
			77178769 77478800	D8114-00373	7001	\$325.00	\$46,154.20
			77178800 77178844	E5700-00032	7001		\$45,504.20
			77178811 77178830	E6436-00002	7001		\$43,879.20
	05/14 05/14		77178930 10467847	E6436-00005	7001		\$43,229.20
	05/14			D3301-00126 K0668-00001	1801		\$42,439.20
,	2011 <b>7</b>	JU 1	, , , , , , , , , , , , , , , , , , , ,	1,000,000,000,000	7007	\$275.00	\$42,164.20

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05/14 1177	<sup>7</sup> 11747615	2006.0911/1085.487	1011	\$300.00	\$41,864.20
05/14 1178	3 11747615	2006.0911/1085.487	1111	\$500.00	\$41,364.20
05/14 1179	11747615	2006.0911/1085.487	1311	\$200.00	\$41,164.20
05/14 188	11675984	N1085-00450	8021	\$40.00	\$41,124.20
05/14 1546	3 11675984	2006.0180/1085.450	· 1011	\$300.00	\$40,824.20
05/14 1547	11675984	2006.0180/1085.450	. 1111	\$500.00	\$40,324.20
05/14 1548	3 11675984	2006.0180/1085.450	1311	\$200.00	\$40,124.20
05/14 1550	11675984	2006.0180/1085.450	1201	\$200.00	\$39,924.20
05/14 1551	11675984	2006.0180/1085.450	1051	\$130.00	\$39,794.20
05/14 1549	11675984	2006.0180/1085.450	. 1202	\$400.00	\$39,394.20
05/14 1571	10023500	E4919-00066	2252	\$225.00	\$39,169.20
05/14 578	77179086	E6436-00004	7001	\$975.00	\$38,194.20
05/14 604	77179096	D8114-00342	7001	\$325.00	\$37,869.20
05/14 266	11747615	N1085-00487	8021	\$40.00	\$37,829.20
05/14 677	77179132	Y1886-00007	7001	\$325.00	\$37,504.20
05/14 2272	11719202	D4700-00440	; 1631	\$300.00	\$37,204.20
05/14 2273	11719202	D4700-00440	. 1642	\$400.00	\$36,804.20
05/14 2274	11719202	D4700-00440	1633	\$200.00	\$36,604.20
05/14 2297	' 1174776 <del>4</del>	BOE01 087	1011	\$300.00	\$36,304.20
05/14 2298	11747764	BOE01 087	1111	\$500.00	\$35,804.20
05/14 2299	11747764	BOE01 087	: 1311	\$200.00	\$35,604.20
05/14 2300	11747764	BOE01 087	1201	\$600.00	\$35,004.20
05/14 64	11801624	E0523-00078	1011	\$300.00	\$34,704.20
05/14 65	11801624	E0523-00078	1111	\$500.00	\$34,204.20
05/14 66	11801624	E0523-00078	, 1311	\$200.00	\$34,004.20
05/14 48	E-REPLENISHMENT	•	9203	-\$3,850.00	\$37,854.20
05/14 27	PCT/US07/63967	E4904-00005	1619	-\$77.00	\$37,931.20
D5/14 28	PCT/US07/63967	E4904-00005	1710	-\$931.00	\$38,862.20
05/14 29	PCT/US07/63967	E4904-00005	<sub>.</sub> 1701	\$1,008.00	\$37,854.20
05/14 1	PCT/US06/44067	R0367-06720	1703	-\$144.00	\$37,998.20
05/14 4064	10916326	D0932-00469 [I-8884]	1401	\$500.00	\$37,498.20
05/14 4102		E3755-00007	2501	\$700.00	\$36,798.20
05/14 4103	11202968	E3755-00007	1504	\$300.00	\$36,498.20
05/14 2308		Y0759-00399	7002	\$100.00	\$36,398.20
05/14 2322			7004	\$300.00	\$36,098.20
05/14 2868		E4833-09060	7205	\$300.00	\$35,798.20
05/14 2869		E4833-09060	7208	\$600.00	\$35,198.20
05/15 65	11300562	Y2428-00096	8021	.\$40.00	\$35,158.20
05/15 270	77180354		7001	\$325.00	\$34,833.20
05/15 628	11013761	D5127-00010	1 2251	\$60.00	\$34,773.20
05/15 30	0652113	D9147-03015	8521	\$40.00	\$34,733.20
05/15 31	0652113	,	8522	\$25.00	\$34,708.20
05/15 424	0645256	D9147-03015	7205	\$100.00	\$34,608.20
05/15 425	0645256		· 7201	\$400.00	\$34,208.20
05/15 906	11285643	H2296-00002	2501	\$700.00	\$33,508.20
05/15 907	11265843		1504	\$300.00	\$33,208.20
05/15 546	78487110		· 7003	\$100.00	\$33,108.20
05/15 51	1605633	U1729-00003	8521	\$40.00	\$33,068.20

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05/15	52	1605633	U1729-00003	8522	\$275.00	\$32,793.20
05/15	55	2805301	U1729-00003	8521	\$40.00	\$32,753.20
05/15	56	2805301	U1729-00003	<b>8522</b>	\$425.00	\$32,328.20
05/15	57	1605633	U1729-00003	8521	\$40.00	\$32,288.20
05/15	58	1605633	U1729-00003	8522	\$875.00	\$31,413.20
05/15	220	6194332	U1729-00003	8021	\$960.00	\$30,453.20
05/15	223	6414286	U1729-00002	8021	\$80.00	\$30,373.20
05/15	227	6602811	U1729-00002	8021	\$360.00	\$30,013.20
05/15	2042	11239115	D0932-00628	1814	\$130.00	\$29,883:20
05/15	2043	11239115	D0932-00628	1253	\$1,020.00	\$28,863.20
05/15	2389	60875475	E1975-00050	2052	\$25.00	\$28,838.20
Q5/15	2390	60875475	E1975-00050	2251	\$80.00	\$28,778.20
05/15	60	11789856	GE-07371	1202	\$50.00	\$28,728.20
05/15	347	10960621	DEP05 1003	1501	\$1,400.00	\$27,328.20
05/15	348	10960621	DEP05 1003	1504	\$300.00	\$27,028.20
05/15	349	10960621	DEP05 1003	8001	\$18.00	\$27,010.20
05/16	52	E-REPLENISHMENT	:	9203	-\$12,145.00	-
05/15	120	11798483	CHE01 105 CIP CONT	1011	\$300.00	\$38,855.20
05/15	123	11798483	CHE01 105 CIP CONT	1202	\$1,350.00	\$37,505.20
05/15	122	11798483	CHE01 105 CIP CONT	1311	\$200.00	\$37,305.20
05/15	121	11798483	CHE01 105 CIP CONT	1111	\$500.00	\$36,805.20
05/15	4166	11012760	TSMC2004-460(N1280-1160)		\$100.00	\$36,705.20
05/15	4167	11012760	TSMC2004-460(N1280-1160)	1801	\$790.00	\$35,915.20
05/15	102	08984735	•	1453	\$1,500.00	\$34,415.20
05/15	149	08984735	C-DIT-1719	1501	\$1,400.00	\$33,015.20
05/15	148	2368328	U1729-00003	8521	\$40.00	\$32,975.20
05/15	149	2388328	U1729-00003	8522	\$150.0D	\$32,825.20
05/16	182	78328680	N0921-00092	7003	\$100.00	\$32,725.20
05/16	67	5983735	D2251-00104	2552	\$1,150.00	\$31,575.20
05/16	1057	76861040	E5618-00002	7001	\$325.00	\$31,250.20
05/16	3078	11749095	AND01 086	1011	\$300.00	\$30,950.20
05/16	3080	11749095	AND01 086	1311	\$200.00	\$30,750.20
05/16	3081	11749095	AND01 086	1202	\$4,000.00	\$26,750.20
05/16	3079	11749095	AND01 086	1111	\$500.00	\$26,250.20
05/16	3125	11749101	AND01 070	1011	\$300.00	\$25,950.20
05/16	3126	11749101	AND01 070	1111	\$500.00	\$25,450.20
05/16	3128	11749101	AND01 070	1202	\$2,300.00	\$23,150.20
05/16	3127	11749101	AND01 070	1311	\$200.00	\$22,950.20
05/16	167	10585071	CRD-0006US	2252	\$65.00	\$22,885.20
05/16	46	E-REPLENISHMENT		9203	-\$11,370.00	\$34,255.20
05/16	1594	77182105	D9674-00194	7001	\$1,950.00	\$32,305.20
05/16		78705546	HAL01 002	6002	\$100.00	\$32,205.20
05/16	3862	60938225	E5762-00002	2005	\$100.00	\$32,105.20
05/16	3901	60938229	E5762-00003	2005	\$100.00	\$32,005.20
	•	DTADT	CUIV OF	01114.07	=115	
		START BALANCE	SUM OF CHARGES	SUM OF REPLENISH	END BALANCE	
			\$140,058.00	\$120,782.00		
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7	•	CLAIMS A			0.4.0		SMA	LLE	NTITY		OTHER	R THA
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-	PC PC		NUMBE	A FILED	NUM	BER EXTRA	BAS	IC FEE	375.00	OR	Basic Fee	750
T	OTAL CHARGE	ABLE CLAIMS	151	ninus 20=	•	31	X	\$ 9=		OR	X\$18 <b>⇒</b>	23
INI	DEPENDENT C	LAIMS	6	minus 3 =	*	3	X	42=	<del> </del>	OR	X84=	
M	JLTIPLE DEPE	NDENT CLAIM P	RESENT			<b>⊠</b>	-	. 2	<del>                                     </del>	104		25
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		Calumn 1)	MEND	7.1					ENTITY	00	OTHER	
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¥		REMAINING AFTER		NUM PREVIO		PRESENT EXTRA	R	NTE.	ADDI- TIONAL		RATE	AD TIO
Ĕ		AMENDMENT		PAID	-	SAIRA		_:_	FEE			L.E
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<u></u>	FIRST PRESI	(Column 1) CLAIMB REMAINING AFTER	OLTIPLE D	(Colur HIGH NUM PREVIO	nn 2) EST BEA	(Caluma 3)	ADDI	OTAL	•	ا حرا	TOTAL	AD
<u></u>		(Çolumn 1) Claimb Remaining AFTER AMENDMENT		' (Colur HIGH NUMI PREVK PAID	nn 2) EST BEA DUSLY	(Column 3) PRIESENT EXTRA	ADDI	TE	ADDI-	ا حرا	TOTAL ADDIT. FEE RATE	AD TIOI
<u></u>	Total	(Column 1) CLAIMB REMAINING AFTER AMENDMENT	Mìnus	(Colur HIGH NUMI PREVK PAID	nn 2) EST BEA DUSLY	(Column 3) PRESENT EXTRA	ADDI	OTAL r. Fee	ADDI- TIONAL	ا حرا	YOTAL ADDIT, FEE	AD TIOI
	Total Independent	(Çolumn 1) CLAIMB REMAINING AFTER AMENDMENT	Minus Minus	(Colur HIGH NUMI PREVK IPAID	TIM 2) EST BEA DUSLY FOR	(Column 3) PRESENT EXTRA	ADDI RA	TE	ADDI- TIONAL	OR	TOTAL ADDIT. FEE RATE	AD TIOI
<u></u>	Total Independent	(Column 1) CLAIMB REMAINING AFTER AMENDMENT	Minus Minus	(Colur HIGH NUMI PREVK IPAID	TIM 2) EST BEA DUSLY FOR	(Column 3) PRESENT EXTRA	ADDOT	TE 9=	ADDI- TIONAL	OR OR OR	TOTAL ADDIT. FEE RATE X\$18=	AD TIOI
<u></u>	Total Independent	(Çolumn 1) CLAIMB REMAINING AFTER AMENDMENT	Minus Minus	(Colur HIGH NUMI PREVK IPAID	TIM 2) EST BEA DUSLY FOR	(Column 3) PRESENT EXTRA	ADDI	OTAL 1. FEE 10=	ADDI- TIONAL	OR OR OR	TOTAL ADDIT, FEE  RATE  X\$18=  XB4=  +280=  TOTAL	ADI TION FE
<u></u>	Total Independent	(Çolumn 1) CLAIMB REMAINING AFTER AMENDMENT  * * ENTATION OF MI	Minus Minus	(Columnidation (Colum	TIM 2) ESY BEA DUSLY FOR	(Column 3) PRESENT EXTRA	ADDO RA X\$ X4	OTAL 1. FEE 10=	ADDI- TIONAL	OR OR OR	TOTAL ADDIT. FEE RATE X\$18= X84= +280=	AD TIOI
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AMENDMENT B	Total Independent	(Column 1) CLAIMB REMAINING AFTER AMENDMENT  * * * * * * * * * * * * * * * * * *	Minus Minus	(Columnidation (Colum	TIN 2) ESY BEA DUSLY FOR CLAIM	(Column 3) PRESENT EXTRA	ADDI	OTAL r. FEE	ADDI- TIONAL	OR OR OR	TOTAL ADDIT, FEE  RATE  X\$18=  XB4=  +280=  TOTAL	ADITION FE
AMENDMENT B	Total Independent FIRST PRESE	(Column 1) CLAIMB REMAINING AFTER AMENDMENT  * * * * * * * * * * * * * * * * * *	Minus Minus	(Columnum) PREVICE (COLUMNUM) (COLUMNUM) PREVICE PREVICE (COLUMNUM) PR	TIN 2) ESY BEA DUSLY FOR CLAIM	(Column 3) PRESENT EXTRA   COlumn 3) PRESENT	ADDIT	OTAL 1. FEE	ADDI- TIONAL FEE	OR OR OR	TOTAL ADDIT. FEE  RATE  X\$18=  X84=  +280=  TOTAL ADDIT. FEE	ADITION FE
<u></u>	Total Independent FIRST PRESE	(Column 1) CLAIMB REMAINING AFTER AMENDMENT  * CLAIMS REMAINING AFTER AMENDMENT  *	Minus Minus ULTIPLE D Minus Minus	(Columnum High Number Paper)  Columnum High Number Paper)  (Columnum High Number Paper)  Paper)  Paper)  ***	TIM 2) ESY BEA DUSLY FOR CLAIM	(Column 3) PRESENT EXTRA  (Column 3) PRESENT EXTRA	ADDITION ADD	OTAL 1. FEE 9= 10 TAL TE	ADDI- TIONAL FEE	OR OR OR OR	TOTAL ADDIT. FEE  X\$18=  X\$4=  +280=  TOTAL ADDIT. FEE  RATE  X\$18=	ADITION FE
AMENDMENT B	Total Independent FIRST PRESE	(Column 1) CLAIMS REMAINING AFTER AMENDMENT  *  (COlumn 1) CLAIMS REMAINING AFTER AMENDMENT	Minus Minus ULTIPLE D Minus Minus	(Columnum High Number Paper)  Columnum High Number Paper)  (Columnum High Number Paper)  Paper)  Paper)  ***	TIM 2) ESY BEA DUSLY FOR CLAIM	(Column 3) PRESENT EXTRA  (Column 3) PRESENT EXTRA	ADDITION ADD	OTAL 1. FEE 9= 10 TAL TE	ADDI- TIONAL FEE	OR OR OR	TOTAL ADDIT. FEE  RATE  X\$18=  X84=  +280=  TOTAL ADDIT. FEE	AD TION
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AMENDMENT C AMENDMENT B	Total Independent FIRST PRESE Independent FIRST PRESE	(Column 1) CLAIMB REMAINING AFTER AMENDMENT  * CLAIMS REMAINING AFTER AMENDMENT  *	Minus Minus ULTIPLE D Minus Minus ULTIPLE D as entry in ca	(Column August PAD)	TIM 2) EST BEA DUSLY FOR CLAIM  CLAIM  TO in co	(Column 3) PRESENT EXTRA  (Column 3) PRESENT EXTRA	ADDIT	OTAL TE SE OTAL TE OTAL TE OTAL TE OTAL	ADDI- TIONAL FEE	OR OR OR OR	TOTAL ADDIT. FEE  X\$18=  X84=  +280=  TOTAL ADDIT. FEE  RATE  X\$18=  X\$18=  X\$4=	ADI

PATENT APPLICATION SERIAL NO. \_\_

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FEE RECORD SHEET

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> PTO-1556 (5/87)

Approved for use through 1/31/2007, CMB 0651-0032
U.S. Palent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1895, no persons are required to respond to a collection of information unless it displays a valid CMB control number. PATENT APPLICATION FEE DETERMINATION RECORD Application or Docket Number Filing Data Substitute for Form PTO-875 10/821,126 07/16/2003 To be Mailed APPLICATION AS FILED - PART I OTHER THAN (Column 1) (Column 2) SMALL ENTITY OR SMALL ENTITY FOR NUMBER FILED NUMBER EXTRA RATE (\$) FEE (\$) RATE (\$) FEE (\$) BASIC FEE N/A N/A N/A (37 CFR 1,18(a), (b), or (c)) SEARCH FEE N/A N/A N/A N/A (37 CFR 1.16(k), (f), or (m)) **EXAMINATION FEE** N/A N/A N/A (37 CFR 1.16(o), (p), or (q)) NA TOTAL CLAIMS (37 CFR 1,16(I)) minus 20 = OR X S INDEPENDENT CLAIMS minue 3 a X 3 3 (37 CFR 1.18(h)) X S If the specification and drawings exceed 100 sheets of paper, the application size fee due ☐APPLICATION SIZE FEE is \$250 (\$125 for small entity) for each (37 CFR 1.18(s)) additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(e) MULTIPLE DEPENDENT CLAIM PRESENT (37 CFA 1.15()) " If the difference in column 1 is less than zero, enter "0" in column 2. TOTAL TOTAL APPLICATION AS AMENDED - PART II OTHER THAN (Column 1) (Column 2) (Column 3) SMALL ENTITY OR SMALL ENTITY CLAIMS HIGHEST REMAINING NUMBER PRESENT 05/02/2007 ADDITIONAL ADDITIONAL RATE (S) AFTER AMENDMENT PREVIOUSLY **EXTRA** FEE (\$) FEE (\$) PAID FOR AMENDME Total (37 CPA 1.16(1) . 231 Minus 151 = 80 X S 3 OR X \$50= 4000 Undependent (37 OFR 1.18) - 1 Minua ₩3 - 0 X S X \$200= 0 Application Size Fee (37 CFR 1.16(s)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(I)) OR TOTAL TOTAL ADD'L FEE ADDL ÓR 4000 FEE (Column 1) (Column 2) (Column 3) CLAIMS REMAINING NUMBER **PRESENT** ADDITIONAL FEE (\$) ADDITIONAL RATE (\$) RATE (\$) AFTER AMENDMENT PREVIOUSLY PAID FOR EXTRA FEE (\$) AMENDMENT Total (37 cm 1,15(1) Minus = X S OR X S Minus = X 3 2 CR X S Application Size Fee (37 CFR 1.16(s)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAM (37 CFR 1.16()) OR TOTAL TOTAL ADD'L ADD'L FEE FEE \* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. Legal Instrument Examiner: \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter \*20". Patsy Zimmerman " If the "Highast Number Previously Paid For" IN THIS SPACE Is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) a dis highest number found in the appropriate box in column 1.

This expects required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPYO to process) an application, Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This cosection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USFTO. Time will vary depending upon the individual case. Any comments on the armount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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APPL NO.	FILING OR 371 (v) DATE	ART UNIT	FIL FER REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
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Edward J. Lynch DUANE MORRIS LLP One Market Spear Tower, Suite 2000 San Francisco, CA 94105 RECEIVED

CONFIRMATION NO. 3099
FILING RECEIPT

OCCC00000011058031\*

BUANE MORE'S & HECKSCHERT LP

Date Mailed: 10/17/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the date presented on this receipt. If an error is noted on this Filling Receipt, please write to the Office of Initial Patent Examination's Filling Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filling Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filling Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filling Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Motasim Sirhan, Sunnyvale, CA; John Yan, Los Gatos, CA; Kevin Gertner, Los Gatos, CA;

# Domestic Priority data as claimed by applicant

This application is a DIV of 09/717,910 11/20/2000

Foreign Applications

If Required, Foreign Filing License Granted: 10/17/2003

Projected Publication Date: 01/29/2004

Non-Publication Request: No

Early Publication Request; No

Title

Method and device for the treatment of vulnerable tissue site



Page 2 of 2

Preliminary Class

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of Siman et al.

) U.T. Ho

Serial No: Not Assigned

Group Art Unit: Not Assigned

Examiner of Parent Application:

d g

Filed: Herewith

For: METHOD AND DEVICE FOR THE TREATMENT OF VULNERABLE TISSUE SITE

Docket No.: 9621.1001

REQUEST FOR FILING A DIVISIONAL APPLICATION UNDER 37 C.F.R. \$1,63(b)

Express Mail Lebel No.: <u>ER 203738039 US</u> Mailed in San Francisco, CA on: <u>July 16, 2003</u>

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This is a request for filing a divisional application under 37 C.F.R. § 1.53(b), of pending prior application Serial No. 09/717,910, filed November 20, 2000, of Motasim Sirhan, John Yan and Kevin Gertner, for METHOD AND DEVICE FOR THE TREATMENT OF VULNERABLE TISSUE SITE.

- Enclosed is a true copy of the prior complete application as filed, including the specification (including claims), drawings, oath or declaration showing the signature or an indication it was signed, and any amendments referred to in the oath or declaration filed to complete the prior application.
- 2. This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above. With respect to the prior copending U.S. application from which this application claims benefit under 35 U.S.C. § 120, the inventor(s) in this application is (are):

/X/ the same.

1

Serial No. Unassigned Atty. Docket No. 9621.1001

· SP/41235.1

- /\_/ less than those named in the prior application and it is requested that the following inventors identified above for the prior application be deleted:
- 3. /X/ The filing fees are to be calculated on the claims as filed in the prior application and the claims remaining as a result of the:

/\_/ amendment below:

/X/ attached Preliminary Amendment.

## FILING FEE CALCULATION

(Description	: Claime.	Extra	Rate	Fee Code	Fee
Basic Filing Fee			. 1	1001	\$ 750
Independent Claims	6 - 3=	3 x	\$84 =	1201	252
Total Claims	94 -20=	74 x	<b>\$18</b> =	1202	1,332

Total Filing Fee......\$2,334

- 4. Payment of Filing Fees:
  - /\_/ A check in the amount of \$\_\_\_ Is enclosed herewith.
  - The Commissioner is authorized to charge any additional fees and to credit any overpayment of fees which may be required under 37 C.F.R. §1.16 and §1.17, to Deposit Account No. 04-1679, referencing Docket No. 9621-1001. A duplicate copy of this paper is attached.
- 5. Please cancel in this application without prejudice claims 3, 5-8, 10, 12, 14, 16-38 and 107-116, from prior copending application Serial No. 09/717,910, filed November 20, 2000.
- 6. The prior application is assigned of record to: Avantec Vascular Corporation
- 7. The power of attorney in the prior application is to: Edward J. Lynch.
  - /X/ The power appears in the original papers in the prior application.
  - /\_/ A Power of Attorney and Revocation of Prior Powers is enclosed.

2

Serial No. Unassigned Atty. Docket No. 9621.1001

SFW1235.1

8. Please address correspondence in this matter to:

Edward J. Lynch
Duane Morris LLP
One Market
Spear Tower, Suite 2000
San Francisco, CA 94105

- 9. Documents enclosed:
  - /X/ Enclosed is a true copy of the prior complete application as filed, including the specification (including claims), drawings, oath or declaration showing the signature or an indication it was signed;
  - /X/ A Change of Correspondence Address; and
  - /X/ Return Receipt Postcard.

Respectfully submitted,

Edward J. Lynch

Attorney for Applicants Registration No. 24,422

DUANE MORRIS LLP One Market Spear Tower, Suite 2000 San Francisco, CA 94105 Direct Disk. (445) 271, 236

Direct Dial: (415) 371-2267 Telephone: (415) 371-2200 Facsimile: (415) 371-2201 05/02/2007 14:82 FAX 4159573001

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## IN THE CLAIMS

Please amend claim 46 and add new claims 136-139 as indicated in the following list of pending claims.

## **Pending Claims**

1-45. (Canceled)

46. (Currently amended) A system for containing a region of a patient's aortic aneurysm having a healthy sortic portion with a transverse dimension adjacent to the aneurysm, comprising:

a longitudinal tubular guide member having a proximal end, an essentially straight proximal portion, a distal end, a curved distal portion, a port in the distal end, an inner luman extending through the guide member to and in fluid communication with the port in the distal end; and

an elongated containment member which has a constricted configuration when slidably disposed in the inner lumen of the tubular guide member which is configured to be and which has a relaxed configuration when advanced out the port in the distal end of the guide member that has a transverse dimension which is slightly less than that of the transverse dimension of a healthy portion of the patient's aorta adjacent to the sortic aneurysm.

- 47. (Withdrawn) The system of claim 46 wherein the containment member includes at least one free and
- 48. (Withdrawn) The system of claim 47 wherein the at least one free end of the containment member is configured to be straumatic.

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- 49. (Previously presented) The system of claim 46 wherein the containment member comprises a strand.
- 50. (Previously presented) The system of claim 49 wherein the strand forms a tubular member.
- 51. (Previously presented) The system of claim 49 wherein the strand includes a wire member.
- 52. (Freviously presented) The system of claim 49 wherein the strand includes a ribbon member.
- 53. (Withdrawn) The system of any one of claims 49, 50, 51, or 52 wherein the strand includes a plurality of longitudinally oriented strands transversely spaced apart and attached to an adjacent strand with an attachment mean.
- 54. (Withdrawn) The system of claim 53 wherein the longitudinally oriented strands have a width ranging from about 0.001 to about 2 centimeters.
- 55. (Withdrawn) The system of any one of claims 49, 50, 51, or 52 wherein the strand includes a plurality of longitudinally oriented strands transversely spaced apart and a plurality of transversely oriented strands longitudinally spaced apart, the longitudinally oriented strands connected to one another by at least one of the transversely oriented strands.
- 58. (Withdrawn) The system of claim 55 wherein the longitudinally oriented and transversely oriented strands have a width, independently, ranging from about 0.0001 to about 2 centimeters.
- 57. (Withdrawn) The system of any one of claims 49, 50, 51, or 52 wherein the strand is formed of a material from the group consisting of polymers, metals, shape

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memory alloys, blodegradable material, and a combination thereof.

- 58. (Withdrawn) The system of claim 56 wherein the shape memory alloy includes nickel titanlum.
- 59. (Withdrawn) The system of any one of claims 49, 50, 51, or 52 wherein the strand is in the form of a coll.
- 80. (Withdrawn) The system of claim 59 wherein the coil has a constant diameter.
- (Withdrawn) The system of claim 59 wherein the coil has a variable dlameter.
- 62. (Withdrawn) The system of claim 59 wherein the coil is tapered at either or both ends.
- 63. (Withdrawn) The system of claim 59 wherein at least some of the turns of the coil when disposed about the exterior of the tissue site wrap around the circumference of the tissue site.
- 64. (Withdrawn) The system of claim 59 wherein the turns of the coil when disposed about the exterior of the tissue site form an arcuate structure.
- 85. (Withdrawn) The system of claim 59 wherein the coil in a relaxed configuration has a pitch between adjacent turns ranging from about 0.002 to about 20 centimeters.
- 68. (Withdrawn) The system of claim 65 wherein the pitch ranges from about 0.002 to about 2 cm,
- 67. (Withdrawn) The system of claim 65 wherein the pitch ranges from about 2 to about 10 cm.

Atty. Dockst No. R0378-00101

DNEN 13 1247, ( PAGE 7/17 \* RCVD AT 5/2/2007 5:31:08 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-8/11 \* DHS:2738300 \* CSID:4159573001 \* DURATION (mm-ss):04-22 05/02/2007 14:32 FAX 4159573001 '

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- 58. (Withdrawn) The system of claim 65 wherein the pitch ranges from about 10 to about 20 cm.
  - 69. (Withdrawn) The system of claim 65 wherein the coil has a variable pitch.
- 70. (Withdrawn) The system of claim 85 wherein the containment member has means to secure the adjacent turns of the coil.
- 71. (Withdrawn) The system of claim 70 wherein the securing means includes any one of coil, wire, or strand.
- 72. (Withdrawn) The system of claim 49 wherein the containment member has a longitudinal dimension ranging from about 1 mm to about 50 cm.
- 73. (Withdrawn) The system of claim 49 wherein the containment member includes multiple lumens.
- 74. (Withdrawn) The system of claim 73 wherein at least one of the multiple lumens is configured to be an inflation lumen, a therapeutic fluid delivery lumen, or a strand lumen.
- 75. (Previously presented) The system of claim 49 wherein the containment member has outer and inner surfaces defining at least in part a wall, a lumen disposed within the wall, and a containment surface defined at least in part by the inner surface of the wall.
- 76. (Withdrawn) The system of claim 75 wherein the containment member is configured to deliver therapeutic fluids to the tissue site.
- 77. (Withdrawn) The system of claim 76 wherein the lumen defined by the containment member inner and outer surfaces is a fluid lumen, either or both the

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containment member outer and inner surfaces including at least one aperture fluidically connectable to the containment member fluid lumen.

- 78. (Withdrawn) The system of claim 77 wherein the aperture size ranges from about 1 micron to about 2 millimeters.
- 79. (Withdrawn) The system of claim 78 wherein the aperture size ranges from about 1 micron to about 1 cm.
- 80. (Withdrawn) The system of claim 77 wherein the fluid lumen is fluidically connectable to a source of therapeutic fluid.
- 81. (Withdrawn) The system of claim 50 wherein the containment member has an outer diameter and an inner diameter defined by the inner surface.
- 82. (Withdrawn) The system of claim 81 wherein the inner diameter is configured to have a variable dimension.
- 83. (Withdrawn) The system of claim 82 wherein the containment member has outer and inner surfaces and a fluid lumen defined therebetween and a containment lumen defined by the inner surface, and the inner diameter of the containment member is decreased upon the expansion of the containment member fluid lumen.
- 84. '(Withdrawn) The system of claim 83 wherein the fluid lumen is fluidically connectable to a source of inflation lumen.
- 85. (Withdrawn) The system of claim 49 wherein the containment member further includes a sleeve disposed on at least a portion of an exterior surface of the containment member.
- 86. (Withdrawn) The system of claim 85 wherein the aleeve includes multiple lumens.

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- 87. (Withdrawn) The system of claim 86 wherein at least one of the multiple lumens of the sleeve is configured to be an inflation lumen.
- 88. (Withdrawn) The system of claim 85 wherein the sleeve has an inner and outer surface and an inner lumen disposed therebetween.
- 89. (Withdrawn) The system of claim 88 wherein the containment member has an inner diameter defined by an inner surface of the containment member, the containment member inner diameter decreasing upon the expansion of the sleeve inner lumen.
- 90. (Withdrawn) The system of claim 89 wherein the sleeve inner lumen is fluidically connectable to a source of inflation fluid.
- 91. (Withdrawn) The system of claim 75 wherein the containment member is configured to at least partially encircle at least a portion of the tissue site.
- 92. (Withdrawn) The system of claim 91 wherein the containment member is configured to at least partially encircle at least a portion of a tissue site adjacent the vulnerable tissue site.
- 93. (Withdrawn) The system of claim 75 wherein the containment member inner surface has a curvature substantially less than 360 degree.
- 94. (Withdrawn) The system of claim 75 wherein the containment member inner surface includes an adhesion promoter.
- 95. (Withdrawn) The system of claim 94 wherein the adhesion promoter is selected from the group consisting of fibrin and cyanoacrylates.

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- 98. (Withdrawn) The system of claim 50 wherein the containment member has an outer surface defining an outer diameter and an inner surface defining an inner diameter.
- 97. (Withdrawn) The system of claim 96 wherein the vulnerable tissue site has a first thickness and a tissue site adjacent the vulnerable tissue site has a second thickness.
- 98. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is substantially the same or slightly larger than the thickness of the vulnerable tissue site.
- 99. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is substantially larger than the thickness of the vulnerable tissue site.
- 100. (Withdrawn) The system of claim 99 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is about 25% larger than the thickness of the vulnerable tissue site.
- 101. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is substantially between the first thickness of the vulnerable tissue site and second thickness of the adjacent tissue site.
- 102. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a retaxed configuration is substantially the same as the second thickness of the adjacent tissue site.

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- 103. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is slightly less than the second thickness of the adjacent tissue site.
- 104. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is about 10% less than the second thickness of the adjacent tissue site.
- 105. (Withdrawn) The system of claim 101 wherein the vulnerable and adjacent tissue sites are part of a first tubular member and the first and second thicknesses are defined by outer diameters of the vulnerable and adjacent tissue sites, respectively.
- 108. (Withdrawn) The system of claim 77 wherein the aperture is configured to delivered hardenable material to the exterior surface of vulnerable tissue site.

107-116, · (Canceled)

- 117. (Withdrawn) The system of claim 1 wherein the curved portion of the elongated tubular guide member extends from the about 2 mm to about 20 cm from the distal end thereof.
- 118. (Withdrawn) The system of claim 1 wherein the curved portion of the elongated tubular guide member has a radius of curvature ranging from about 0.5 to about 3 cm.
- 119. (Withdrawn) The system of claim 1 wherein the curved portion of the elongated tubular guide member is configured to have an angle ranging from about -180° to +180°,

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- 120. (Withdrawn) The system of claim 1 wherein the elongated tubular guide member has multiple deflection points.
  - 121-135. (Canceled)
- 136. (New) The system of claim 46 wherein the curved distal portion of the longitudinal tubular guide member has a length from the about 2 mm to about 20 cm.
- 137. (New) The system of claim 48 wherein the curved distal portion of the longitudinal tubular guide member has a radius of curvature ranging from about 0.5 to about 3 cm.
- 138. (New) The system of claim 46 wherein the curved distal portion of the longitudinal tubular guide member is configured to have an angle ranging from about 180° to +180°.
- 139. (New) The system of claim 46 wherein the longitudinal tubular guide member has multiple deflection points.

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## IN THE CLAIMS

Please cancel claims 1, 2, 4, 9, 11, 13, 15, 39-45 and 121-135 without prejudice and amend claims 46, 117, 118, 118 and 120 as indicated in the following list of pending claims,

# PENDING CLAIMS

1-45. (Canceled)

48. (Currently amended) A system for containing a region of a patient's aortic aneurysm, comprising:

an-elengated a longitudinal tubular guide member having a proximal end, a distal end, a curved distal portion, a port in the distal end, an inner lumen extending through the guide member to and in fluid communication with the port in the distal end; and

an elongated containment member slidably disposed in the inner lumen of the tubular guide member which is configured to be advanced out the port in the distal end of the guide member and be disposed about an exterior surface over the aortic aneurysm.

- 47. (Withdrawn) The system of claim 45 wherein the containment member includes at least one free end.
- 48. (Withdrawn) The system of claim 47 wherein the at least one free end of the containment member is configured to be atraumatic.
- 49. (Previously presented) The system of claim 46 wherein the containment member comprises a strand.

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- 50. (Previously presented) The system of claim 49 wherein the strand forms a tubular member.
- 51. (Previously presented) The system of claim 49 wherein the strand includes a wire member.
- 52. (Previously presented) The system of claim 49 wherein the strand includes a ribbon member.
- 53. (Withdrawn) The system of any one of claims 49, 50, 51, or 52 wherein the strand includes a plurality of longitudinally oriented strands transversely spaced apart and attached to an adjacent strand with an attachment mean.
- 54. (Withdrawn) The system of claim 53 wherein the longitudinally oriented strands have a width ranging from about 0.001 to about 2 centimeters.
- 55. (Withdrawn) The system of any one of claims 49, 50, 51, or 52 wherein the strand includes a plurality of longitudinally oriented strands transversely spaced apart and a plurality of transversely oriented strands longitudinally spaced apart, the longitudinally oriented strands connected to one another by at least one of the transversely oriented strands.
- 56. (Withdrawn) The system of claim 55 wherein the longitudinally oriented and transversely oriented strands have a width, independently, ranging from about 0.0001 to about 2 centimeters.
- 67. (Withdrawn) The system of any one of claims 49, 50, 51, or 52 wherein the strand is formed of a material from the group consisting of polymers, metals, shape memory alloys, biodegradable material, and a combination thereof.

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- 58. (Withdrawn) The system of claim 58 wherein the shape memory alloy includes nickel titanium.
- 59. (Wilhdrawn) The system of any one of claims 49, 50, 51, or 62 wherein the strand is in the form of a coil.
- 60. (Withdrawn) The system of claim 59 wherein the coil has a constant diameter.
- 61. (Withdrawn) The system of claim 59 wherein the coil has a variable diameter.
- 62. (Withdrawn) The system of claim 59 wherein the coil is tapered at either or both ends.
- 63. (Withdrawn) The system of claim 59 wherein at least some of the turns of the coil when disposed about the exterior of the tissue site wrap around the circumference of the tissue site.
- 84. (Withdrawn) The system of claim 59 wherein the turns of the coil when disposed about the exterior of the tissue site form an arcuate structure.
- 65. (Withdrawn) The system of claim 59 wherein the coil in a relaxed configuration has a pitch between adjacent turns ranging from about 0.002 to about 20 centimeters.
- 66. (Withdrawn) The system of claim 65 wherein the pitch ranges from about 0.002 to about 2 cm.
- 67. (Withdrawn) The system of claim 65 wherein the pitch ranges from about 2 to about 10 cm.

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- 68. (Withdrawn) The system of claim 65 wherein the pitch ranges from about 10 to about 20 cm.
  - 69. (Withdrawn) The system of claim 65 wherein the coil has a variable pitch.
- 70. (Withdrawn) The system of claim 65 wherein the containment member has means to secure the adjacent turns of the coll.
- 71. (Withdrawn) The system of claim 70 wherein the securing means includes any one of coil, wire, or strand.
- 72. (Withdrawn) The system of claim 49 wherein the containment member has a longitudinal dimension ranging from about 1 mm to about 50 cm.
- 73. (Withdrawn) The system of claim 49 wherein the containment member includes multiple lumens.
- 74. (Withdrawn) The system of claim 73 wherein at least one of the multiple lumens is configured to be an inflation lumen, a therapeutic fluid delivery lumen, or a strand lumen.
- 75. (Previously presented) The system of claim 49 wherein the containment member has outer and inner surfaces defining at least in part a wall, a lumen disposed within the wall, and a containment surface defined at least in part by the inner surface of the wall.
- 76. (Withdrawn) The system of claim 75 wherein the containment member is configured to deliver therapeutic fluids to the tissue site.
- 77. (Withdrawn) The system of claim 75 wherein the lumen defined by the containment member inner and outer surfaces is a fluid lumen, either or both the

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containment member outer and inner surfaces including at least one aperture fluidically connectable to the containment member fluid lumen.

- 78. (Withdrawn) The system of claim 77 wherein the aperture size ranges from about 1 micron to about 2 millimeters.
- 79. (Withdrawn) The system of claim 78 wherein the aperture size ranges from about 1 micron to about 1 cm.
- 80. (Withdrawn) The system of claim 77 wherein the fluid lumen is fluidically connectable to a source of therapeutic fluid.
- 81. (Withdrawn) The system of claim 50 wherein the containment member has an outer diameter and an inner diameter defined by the inner surface.
- 82. (Withdrawn) The system of claim 81 wherein the inner diameter is configured to have a variable dimension.
- 83. (Withdrawn) The system of claim 82 wherein the containment member has outer and inner surfaces and a fluid lumen defined therebetween and a containment lumen defined by the inner surface, and the inner diameter of the containment member is decreased upon the expansion of the containment member fluid lumen.
- 84. (Withdrawn) The system of claim 83 wherein the fluid lumen is fluidically connectable to a source of inflation lumen.
- 85. (Withdrawn) The system of claim 49 wherein the containment member further includes a sleeve disposed on at least a portion of an exterior surface of the containment member.
- 86. (Withdrawn) The system of claim 85 wherein the sleeve includes multiple lumens.

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- 87. (Withdrawn) The system of claim 86 wherein at least one of the multiple turnens of the sleeve is configured to be an inflation lumen.
- 88. (Withdrawn) The system of claim 85 wherein the sleeve has an inner end outer surface and an inner lumen disposed therebetween.
- 89. (Withdrawn) The system of claim 88 wherein the containment member has an inner diameter defined by an inner surface of the containment member, the containment member inner diameter decreasing upon the expansion of the sleeve inner lumen.
- 90. (Withdrawn) The system of claim 89 wherein the sleeve inner lumen is fluidically connectable to a source of inflation fluid.
- 91. (Withdrawn) The system of claim 75 wherein the containment member is configured to at least partially encircle at least a portion of the tissue site.
- 92. (Withdrawn) The system of claim 91 wherein the containment member is configured to at least partially encircle at least a portion of a tissue site adjacent the vulnerable tissue site.
- 93. (Withdrawn) The system of claim 75 wherein the containment member inner surface has a curvature substantially less than 360.degree.
- 94. (Withdrawn) The system of claim 75 wherein the containment member inner surface includes an adhesion promoter.
- 95. (Withdrawn) The system of claim 94 wherein the adhesion promoter is selected from the group consisting of fibrin and cyanoacrylates.

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- 98. (Withdrawn) The system of claim 50 wherein the containment member has an outer surface defining an outer diameter and an inner surface defining an inner diameter.
- 97. (Withdrawn) The system of claim 96 wherein the vulnerable tissue site has a first thickness and a tissue site adjacent the vulnerable tissue site has a second thickness.
- 98. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is substantially the same or slightly larger than the thickness of the vulnerable tissue site.
- 99. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is substantially larger than the thickness of the vulnerable tissue site.
- 100. (Withdrawn) The system of claim 99 wherein the dimension of the inner diameter of the confainment member in a relaxed configuration is about 25% larger than the thickness of the vulnerable tissue site.
- 101. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is substantially between the first thickness of the vulnerable tissue site and second thickness of the adjacent tissue site.
- 102. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is substantially the same as the second thickness of the adjacent tissue site.

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- 103. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is slightly less than the second thickness of the adjacent tissue site.
- 104. (Withdrawn) The system of claim 97 wherein the dimension of the inner diameter of the containment member in a relaxed configuration is about 10% less than the second thickness of the adjacent tissue site.
- 105. (Withdrawn) The system of claim 101 wherein the vulnerable and adjacent tissue sites are part of a first tubular member and the first and second thicknesses are defined by outer diameters of the vulnerable and adjacent tissue sites, respectively.
- 106. (Withdrawn) The system of claim 77 wherein the aperture is configured to delivered hardenable material to the exterior surface of vulnerable tissue site.
  - 107-116. (Canceled)
- 117. (Currently amended) The system of claim [[1]] 48 wherein the curved distal portion of the elongated longitudinal tubular guide member extends from the about 2 mm to about 20 cm from the distal end thereof.
- 118. (Currently amended) The system of claim [[1]] 46 wherein the curved distal portion of the elongated longitudinal tubular guide member has a radius of curvature ranging from about 0.5 to about 3 cm.
- 119. (Currently amended) The system of claim [[1]] 46 wherein the curved distal portion of the elengated longitudinal tubular guide member is configured to have an angle ranging from about -180° to +180°.

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120. (Currently amended) The system of claim [[1]] 46 wherein the elongeted longitudinal tubular guide member has multiple deflection points. 121-135. (Canceled)

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PATENT

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner: Uyen T. Ho In re the application of Sirhan et al. Group Art Unit: 3731 METHOD AND DEVICE FOR THE For: TREATMENT OF VULNERABLE TISSUE SITE <u>TRANSMITTAL</u> Serial No.: 10/621,126 Filed: July 16, 2003 Atty. Docket No.: R0378-00101 CERTIFICATE OF MAILING PURSUANT TO 37 C.F.R. §1.8 thereby certify that this correspondence is being transmitted by facsimile (571) 273-6500 addressed to Mail Stop 16, Director of the Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22213-1450, on May 16, 2007, in San Francisco, CA. Mail Stop 16 Director of the Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 Dear Sir: Transmitted herewith for recordation in the above-identified patent application are 1. Request For Refund To Deposit Account; Х Deposit Account Statement, May 2007 (9 pages); X Patent Application Fee Determination Record, July 16, 2003 (2 pages); X Patent Application Fee Determination Record, May 2, 2007 (2 pages); Х Filing Receipt mailed 10/17/2003; Request For Filing A Divisional Application Under 37 CFR 1.53(b) as filed July X 16, 2003; and Claims, as retrieved from PAIRS 5/2/2007 (18 sheets). X\_

Payment of Fees 2.

There is no fee due with this communication. Should the Commissioner find otherwise, the Commissioner is authorized to charge the required fees and to credit any overpayment and refund of fees set forth under 37 C.F.R. §1.16 or §1.17, to Deposit Account No 04-1679, referencing Atty. Docket No. R0378-00101. A duplicate copy of this sheet is enclosed for this purpose.

Respectfully Submitted,

Duane Morris LLP One Market, Spear Tower, Ste. 2000 San Francisco, CA 94105

Phone: (415) 957-3000 Facsimile: (415) 957-3001 Edward J. Lynch Registration No. 24,422 Attorney for Applicants



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PATENT

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Serial No.: 10/621,126		)/621,126	TRANSMITTAL
Filed: July 16, 2003			
Atty. Docket No.: R0378-00101  CERTIFICATE OF MAILING PURSUANT TO 37 C.F.R. §1.8			
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1. Transmitted herewith for recordation in the above-identified patent application are			
X Request For Refund To Deposit Account:			
	X Deposit Account Statement, May 2007 (9 pages);		
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§1.17, to Deposit Account No 04-1679, referencing Atty. Docket No. R0378-

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